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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Siemens Corporation
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170 Wood Avenue South
Iselin, NJ 08830

EXAMINER

PHAM, MICHAEL

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/786,913	Applicant(s) COUGHLIN ET AL.	
	Examiner MICHAEL PHAM	Art Unit 2167	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 July 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 and 16-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 and 16-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Detailed Action

Status of claims

1. 1-3 and 16-32 are pending.
2. 1-3 and 16-32 have been examined.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-3 and 16-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Application Publication 2002/0123983 by Riley et. al. (hereafter Riley) further in view of U.S. Patent 6385609 by Barshefsky et. al. (hereafter Barshefsky).

Claim 1:

Riley discloses the following claimed limitations:

“matching data elements from multiple systems in an integrated services system wherein each of said multiple systems has a unique identifier within said integrated services system;”[Figure 2 elements 23-29. Figure 2 element 21. 0039, an incident is defined as an issue that can be resolved using business and product knowledge at the first level of support. 0105, all

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service requests should be assigned a unique identification number or ticket ID. Accordingly, matching data elements (issue that can be resolved) from multiple systems (figure 2 elements 23-29) in an integrated services system (fig. 2 element 21, service desk) wherein each of said multiple systems has a unique identifier within said integrated services system (unique identification).]

“generating an integrated services report from said standard tables.”[0137, an assignment to a high level is made through a notification. Accordingly, generating an integrated services report (notification) from said standard tables (figure 8, impact chart. figure 10, notification of assignment chart).]

Riley does not explicitly disclose “categorizing said matched data elements to create standard tables that contain information to be used to monitor and measure integrated services”.

On the other hand, Barshefsky discloses figure 6 tables showing record layouts for constructing a database for use in conjunction with the system. Col. 9 lines 19-21, list of report types, filter criteria, and classification criteria are suitable for use with 5Ess switching system. Col. 10 line 3, reports which survive the parser are post-processed. Figure 1 element 160, viewing and analysis. Accordingly, disclosing categorizing (classification criteria) said matched data elements (reports which survive the parser) to create standard tables (figure 6) that contain information to be used to monitor (figure 1 element 160, view) and measure integrated services (figure 1 element 160, analysis).

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Both Riley and Barshefsky are directed to providing reporting services. They are therefore within the same field of endeavor as applicant's invention. It would have been obvious to have applied the disclosure of Barshefsky to the disclosure of Riley for the purpose of providing a pattern classification in order to determine if the report corresponds to a new problem or a previously reported problem [Barshefsky, abstract]. In doing so, allows for Riley's system to utilize different service levels more efficiently.

Claim 2:

Riley discloses the following claimed limitations:

“categorizing incidents reported to a service desk, each incident being categorized by a respective host system;”[Figure 2, service desk operation. 0106, categorizing requests for service. Accordingly, categorizing incidents reported to a service desk (0106, categorize requests for service), each incident being categorized by a respective host system (figure 2, service desk operation)]

“using a bridge to map data from other host systems, said mapped data being related to said categorized incidents and financial information;”[Figure 2 elements 23-29 and 22. 0106, categorizing requests for service. 0033, storing and retrieving problems and solutions for problems. 0033, a finance organization utilizing service desk. 0029, service desk proactively providing relevant information to users and other parties. Accordingly, using a bridge (figure 2 element 22, central service desk repository) to map data (resolutions for problems) from other host systems (figure 2 elements 23-29), said mapped data (problems and solutions for problems)

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being related to said categorized incidents (categorize requests for service) and financial information (finance)]

“utilizing said mapped data to further categorize and resolve said incidents;”[0094, A service desk operator tier 1 personnel, may attempt to resolve the problem, possibly by checking for solutions in a central service desk repository or database. If the tier 1 personnel cannot resolve the user’s request or problem on the spot the request may be placed into the queue for assignment. 0033, storing and retrieving problems and solutions for problems. Accordingly, utilizing said mapped data (problem) to further categorize (0094, if resolved no need to go to further tier) and resolve said incidents (resolve problem)]

“integrating said reports into continuous information technology services improvement programs.”[0047, to continuously improve IT service delivery to end users. 0096, lessons learned or other valuable tips or knowledge edge may be stored in the service desk repository or other database for future use. . 0098, reports generated or data collected may be stored in a central service desk repository. Accordingly, integrating said reports (reports stored) into continuous information technology services (IT service) improvement programs (future use)]

Riley does not explicitly disclose “generating reports based on said mapped data related to said categorized and/or resolved incidents; and”

On the other hand, Barshefsky discloses figure 6 tables showing record layouts for constructing a database for use in conjunction with the system. Col. 9 lines 19-21, list of report types, filter

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criteria, and classification criteria are suitable for use with 5Ess switching system. Col. 10 line 3, reports which survive the parser are post-processed. Figure 1 element 160, viewing and analysis. Accordingly, disclosing generating reports (viewing) based on said mapped data (figure 6) related to said categorized and/or resolved incidents (reports which survive).

Both Riley and Barshefsky are directed to providing reporting services. They are therefore within the same field of endeavor as applicant's invention. It would have been obvious to have applied the disclosure of Barshefsky to the disclosure of Riley for the purpose of providing a pattern classification in order to determine if the report corresponds to a new problem or a previously reported problem [Barshefsky, abstract]. In doing so, allows for Riley's system to utilize different service levels more efficiently.

Claim 3:

The combination of Riley and Barshefsky disclose in Riley, "wherein said reports provide information associated with the costs of fixing an information technology services problem related to at least a subset of said reported incidents"[0096, such metrics include the clock or calendar time from request to resolution confirmation, resources expended and the like.].

Claim 16:

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The combination of Riley and Barshefsky disclose in Riley, “wherein said multiple systems are host systems comprising a help desk system, a dispatch/logistic/invoicing system, a financial system and a data warehousing system.” [figure 2, elements 21 service desk (help desk), 23 sales (a dispatch/logistics/invoicing system), 27 financial (financial system), 22 central service desk repository (data warehousing system)]

Claim 17

The combination of Riley and Barshefsky disclose in Riley, “wherein said host systems further comprise a password reset system, an acquisition data processing system, a network management system, a knowledge base system and an asset tracking system.” [0029, password reset (password reset system), 0098, reports generated or data collected may be stored in central service desk repository (acquisition data processing). 0104, knowledge databases (a knowledge base system). 0203, network management (network management), 0032, asset management (asset management)]

Claim 18

The combination of Riley and Barshefsky disclose in Riley, “wherein data from said multiple systems are tied together in a warehousing system.” [figure 2, element 21]

Claim 19

The combination of Riley and Barshefsky disclose in Riley, “wherein said unique identifier relates different data associated with a specific customer.” [0105, all service requests should be

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assigned a unique identification number or ticket ID. This number is given to the service desk customer.]

Claim 20

The combination of Riley and Barshefsky disclose in Riley, “wherein said warehousing system categorizes said matching data elements.” [figure 2, element 21. 0110-0111, Service request categorization is done by service desk tools.]

Claim 21

The combination of Riley and Barshefsky disclose in Riley, “wherein said warehousing system generates said integrated services report, said method further comprising improving said monitored integrated services responsive to said information contained in said standard tables in said generated integrated services report.”[0098, reports generated or data collected may be stored in a central service desk repository. 0047, to continuously improve IT service delivery to end users. Figure 8, impact chart. Accordingly, wherein said warehousing system generates said integrated services report (generate report), said method further comprising improving said monitored integrated services (improve it service delivery) responsive to said information contained in said standard tables (figure 8) in said generated integrated services report (generated report)]

Claim 22

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The combination of Riley and Barshefsky disclose in Riley, “wherein said generating integrated services report includes real time information.”[0096, metrics include the clock or calendar time from request to resolution confirmation]

Claim 23

The combination of Riley and Barshefsky disclose in Riley, “wherein said generating integrated services report includes near real time information.” [0096, metrics include the clock or calendar time from request to resolution confirmation]

Claim 24

The combination of Riley and Barshefsky disclose in Riley, "wherein said host systems comprise a help desk system, a dispatch/logistic/invoicing system, a financial system and a data warehousing system." [figure 2, elements 21 service desk (help desk), 23 sales (a dispatch/logistics/invoicing system), 27 financial (financial system), 22 central service desk repository (data warehousing system)]

Claim 25

The combination of Riley and Barshefsky disclose in Riley, “wherein said host systems further comprises a password reset system, an acquisition data processing system, a network management system, a knowledge base system and an asset tracking system.” [0029, password reset (password reset system), 0098, reports generated or data collected may be stored in central service desk repository (acquisition data processing). 0104, knowledge databases (a knowledge

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base system). 0203, network management (network management), 0032, asset management (asset management)].

Claim 26:

The combination of Riley and Barshefsky disclose in Riley, “wherein a warehousing system maps said data and further categorizes and resolves said incidents” [0112, service request resolved and categorize incident. 0033, storing and retrieving problems and solutions for problems especially repeated and troublesome problems and incidents. Figure 2 element 21, warehouse system]

Claim 27:

The combination of Riley and Barshefsky disclose in Riley, “wherein said warehousing system further relates different data associated with a specific customer.” [0105, all service requests should be assigned a unique identification number or ticket ID. This number is given to the service desk customer.]

Claim 28:

The combination of Riley and Barshefsky disclose in Riley, “wherein said warehousing system generates said reports” [abstract, service desk includes means for solving problems and incidents reports, and means for tracking and reporting service desk performance],

Claim 29

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The combination of Riley and Barshefsky disclose in Riley, “wherein ;said warehousing system includes real time information in said generated reports.” [0096, metrics include the clock or calendar time from request to resolution confirmation]

Claim 30

The combination of Riley and Barshefsky disclose in Riley, “wherein said warehousing system includes near real time information in said generated reports.” [0096, metrics include the clock or calendar time from request to resolution confirmation]

Claim 31

The combination of Riley and Barshefsky disclose in Riley, “wherein said generated integrated services report provides a measure of an integrated service being provided, expressing levels of service achieved, key performance indicators, and transaction volumes during a defined period of said event.”[0156-162, staff are knowledgable, staff are polite, I have confidence that that service desk will help me, the service desk meets target dates and times that it gives me]

Claim 32:

The combination of Riley and Barshefsky disclose in Riley, “wherein said generated integrated services report provides a measure of an integrated service being provided, expressing levels of service achieved, key performance indicators, and transaction volumes during a defined period of said event.” [0156-162, staff are knowledgable, staff are polite, I have confidence that that service desk will help me, the service desk meets target dates and times that it gives me]

Response to Arguments

5. Applicant's arguments, see page 5 line 8, filed 7/29/08, with respect to the rejection(s) of claim(s) 1 and 2 under 102(b) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Riley and Barshefsky.

A. Applicant's assert the following with regard to the Riley reference.

Real time/near real time in claims 22, 23, 29, and 30 are not disclosed.

In response, the examiner disagrees. Applicant's arguments fail to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims define a patentable invention without specifically pointing out how the language of the claims patentably distinguishes them from the references. Riley discloses that metrics used may include the clock or calendar time from request to resolution confirmation. Accordingly, near real time is disclosed.

Conclusion

6. The prior art made of record listed on PTO-892 and not relied, if any, upon is considered pertinent to applicant's disclosure.

Contact Information

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHAEL PHAM whose telephone number is (571)272-3924. The examiner can normally be reached on Monday-Friday 9am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cottingham can be reached on 571-272-7079. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. P./
Examiner, Art Unit 2167

/John R. Cottingham/
Supervisory Patent Examiner, Art Unit
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